

SCCSID = wca_out_struc_specs.man v1.1 02/15/03

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Hydrologic Systems Modeling Division

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SOUTH FLORIDA WATER MANAGEMENT MODEL V5.0 INPUT MAN PAGE FOR wca_out_struc_specs.dat == Water Conservation Areas (WCAs) inflow/outflow structures definition data file (previously defined as caoflpts) (unit no. 21; read in wcas_input_data.F)							
NOTE: The names assigned to all structures input in this file must appear in the master list of structure names in model definition data file (previously known as lecdef*)							

WCA=Water Conservation Area

LEC=Lower East Coast

SA=Service Area

LECSA=Lower East Coast Service Area

COLS	VAR NAME	FORMAT	DESCRIPTION
1. IDENTIFICATION OF WCAS-FORMAT (i5,10(2x,a5))			
1-5	nwcas	i5	number of WCAs
-	wca_name(isa)	2x,a5	names of WCA #isa (isa = 1, nwcas)
2. INITIAL STAGE (FT. NGVD) FOR EACH WCA			
-	rinit_wca_stage(isa)	free	initial stages(ft. NGVD) for WCA #isa (isa = 1,nwcas)
3. HYDROLOGIC BASIN NUMBER FOR EACH WCA			
-	ibasin_no_wca(isa)	free	hydrologic basin numbers for WCA #isa (isa=1,nwcas) (CBN of STATDTA file)
4. ORDER IN WHICH WCAS ARE SIMULATED-FORMAT (5x,5(a5,2x))			
1-5	blank	5x	blank space
-	wca_name_order_sim(isa)	a5,2x	order in which WCAs are simulated (isa = 1, nwcas)

5. OPTION FOR RAIN-DRIVEN OPERATIONS FOR EACH WCA-FORMAT (5(a5,2x))

-	wcaenv(isa)	a5,2x	option for rain-driven operations for WCA #isa - TRUE or FALSE (5 characters), if FALSE,calendar operational schedules are implemented in simulation (isa = 1, nwcas)
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6. MINIMUM THRESHOLD FOR MULTI SEASONAL FORECAST FOR LOK INFLOW TO ALLOW A CHANGE IN THE OPERATIONAL SCHEDULE OF EACH WCA

-	rmulti_seas_thres_chg_sched(isa)	free	minimum threshold for multi seasonal forecast for LOK inflow to allow a change in the operational schedule of WCA #isa (isa = 1, nwcas)
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NOTE: Set of records 7 Through 9 are repeated for each WCA, i.e., isa=1, nwcas

7. NAMES AND FLOOR ELEVATIONS OF CONVEYANCE CANALS FOR SPECIFIC WCA
FORMAT(i5,10(2x,a5,2x,f6.2))

1-7	n_intcnl(isa)	i5,2x	number of conveyance canals
8-14	intcnl_name(i)	a5,2x	names of conveyance canals (character identifiers)
-	rmnstg(isa,i)	f6.2	floor elevations (ft. NGVD) for conveyance canal #i (i = 1, n_intcnl(isa))

8. DAYS OF WEEK FOR DELIVERY FROM WCA TO SA1 WHEN SPECIFIC WCA IS ABOVE FLOOR ELEVATION

-	no_of_days_wk_wcadel(isa,1)	free	number of days of the week for delivery from WCA #isa to SA1 when WCA #isa is above floor elevation
-	days_of_wk_wcadel(k)	free	name of days of the week for delivery from WCA #isa to SA1 when WCA #isa is above floor elevation (k=1, no_of_days_wk_wcadel(isa,1))
-	frac_wcaws_del(isa,1)	free	fraction of expected volumes to be delivered

9. DAYS OF WEEK FOR DELIVERY FROM WCA TO SA2 WHEN SPECIFIC WCA IS ABOVE FLOOR ELEVATION

-	no_of_days_wk_wcadel(isa,2)	free	number of days of the week for delivery from WCA #isa to SA2 when WCA #isa is above floor elevation
-	days_of_wk_wcadel(k)	free	days of the week for delivery

-	frac_wcaaws_del(isa,2)	free	from WCA #isa to SA2 when WCA #isa is above floor elevation (k=1, no_of_days_wk_wcadef(isa,2)) fraction of expected volumes to be delivered
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10. NAMES OF CONVEYANCE CANALS USED AS TRIGGERS FOR OUTFLOW FOR EACH WCA
 FORMAT(5(a5,2x))

-	iconvey_canal_no_wca_name(isa) a5,2x	names of conveyance canals used as triggers for outflow for WCA #isa (isa = 1, nwcas) (NOCNL means no canal is used for appropriate WCA #isa)
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11. MINIMUM NUMBER OF CONSECUTIVE DAYS SIMULATED STAGE MUST BE BELOW A THRESHOLD STAGE AT
 ANY CHOSEN LOCATION(S) IN WCAS IN ORDER FOR DELIVERY OF WATER FROM LOK TO HELP
 MAINTAIN CANALS IN LECSA

-	min_consec_days_bel_strtstg	free	minimum number of consecutive days simulated stage must be below a threshold stage at any chosen location(s) in WCAS in order for delivery of water from LOK to help maintain canals in LECSAs to occur. (Input 1 if CANAL option for Minimum Flows and Levels Criteria is input)
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NOTE: Set of records 12 through 13 are repeated for each WCA, i.e., isa=1, nwcas

12. NUMBER OF MARSH TRIGGERS USED FOR MINIMUM FLOWS AND LEVELS CRITERIA FOR SPECIFIC WCA
 (nwcas records total)

-	no_of_subareas_floor(isa)	free	number of marsh triggers used for Minimum Flows and Levels Criteria for WCA
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NOTE: Record 13 is repeated for each marsh trigger, i.e., i=1, no_of_subareas_floor(isa)

13. LOCATIONS AND STAGE OF MARSH TRIGGERS USED FOR MINIMUM FLOWS AND LEVELS CRITERIA FOR
 SPECIFIC WCA-FORMAT (3f6.2,i3,1x,5(2i3,2x,a6))

1-6	avg_wca_subarea_stg_strt_count(isa,i)	f6.2	threshold stage for starting the counter for number of consecutive days simulated stage is below
6-11	avg_wca_subarea_crit_stage(isa,i)	f6.2	threshold stage for deliveries from LOK to meet LEC demands if

			counter is greater than or equal to user specified threshold (min_consec_days_bel_strtstg)
12-17	avg_wca_subarea_stg_disc_lok(isa,i)	f6.2	threshold stage that discontinues the deliveries from LOK to meet LEC demands
18-21	nmpts_wca_floor(isa,i)	i3,1x	number of marsh trigger points for determining deliveries of water from LOK to meet LEC demands

NOTE: The following three fields are repeated for each trigger point #j,
i.e., j=1, nmpts_wca_floor(isa,i)

-	icol_stg_floor(j)	i3	column number of cell of trigger point #j
-	irow_stg_floor(j)	i3,2x	row number of cell of trigger point #j
-	gage_name(isa,i,j)	a6	gage name of trigger point #j

NOTE: Record 14 is repeated for each WCA, i.e., isa=1, nwcas

13. CELL LOCATIONS USED TO TRIGGER REGULATORY RELEASES FROM SPECIFIC WCA WHEN
IMPLEMENTING NON RAIN_DRIVEN OPERATIONAL SCHEDULE

-	n_gage_loc(isa)	free	number of cell locations used to trigger regulatory releases from WCA when implementing non rain-driven operational schedule
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NOTE: The following two fields are repeated for each cell #j, i.e., j=1, n_gage_loc(i)

-	icol_wca_loc(j)	free	column number of cell #j
-	irow_wca_loc(j)	free	row number of cell #j

15. NUMBER OF STRUCTURES SIMULATED IN WCAS WITH SPECIAL CODE
FORMAT(i2,2x,40(a6,1x))

1-4	no_of_struc_spec_code	i2,2x	number of structures simulated in WCAs with special code
-	name_struc_w_spec_code_wca(i)	a6,1x	names of structure #i (i=1, no_of_struc_spec_code) (order can not be changed from the LECDEF file; structures can only be added at the end of the lecdef file)

NOTE: Set of records 16 Through 45 are repeated for each WCA, i.e., isa=1, nwcas
The following records are used to compute available water from WCA to meet LEC
demands.

16. INPUT DATA FOR SPECIFIC WCA-FORMAT(a)

1-*	wcaid(isa)	a	name of WCA (max 5 characters)
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NOTE: Set of records 17 Through 18 are repeated for each conveyance canal, i.e., i=1, n_intcnl(isa)

17. INPUT DATA FOR SPECIFIC CONVEYANCE CANAL SIMULATED IN WCA
FORMAT(i5,2x,10(a5,1x)) (1 record total)

1-7	nclns(isa,i)	i5,2x	number of canals receiving water supply directly from WCA
-	cisacnl(j)	a5,1x	names of canal #j (j=1,nclns(isa,i))

18. NUMBER OF INFLOW STRUCTURES CONTRIBUTING WATER SUPPLY DIRECTLY FROM WCA TO LECSA
FORMAT(i5,2x,10(a6,1x)) (1 record total)

1-7	nstrinf(isa,i)	i5,2x	number of inlet structures for WCA contributing water directly to water supply for LECSA
8-14	cistrindx(j)	a6,1x	name of inlet structure #j (j=1, nstrinf(isa,i))

19. GENERAL INFORMATION FOR SPECIFIC WCA OUTFLOW STRUCTURES

-	nstrpt(isa)	free	number of outflow structures simulated for WCA
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20. PRIORITY OPTION FOR MEETING WATER SUPPLY NEEDS IN LECSA

-	iprorte(isa)	free	priority option for meeting water supply needs in LECSA (1 - priority equal adversity, 0 - priority in order structures are simulated)
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21. MINIMUM CONVEYANCE CANAL STAGE (FT NGVD) ALLOWED FOR REGULATORY RELEASES AND MAXIMUM OFFSET (FT) THAT CAN BE LOWERED DUE TO REGULATORY RELEASES

-	stgmnrgr(isa)	free	minimum conveyance canal stage (ft NGVD) that is allowed for regulatory releases (non rain driven operations only)
-	regcoffset(isa)	free	maximum offset (ft) from regulation schedule that conveyance canal can be lowered

due to regulatory releases

NOTE: Set of records 22 through 45 are repeated for each outflow structure simulated for specific WCA, i.e., is=1, nstrpt(isa)

22. SPECIFIC INFORMATION FOR SPECIFIC WCA OUTFLOW STRUCTURES
FORMAT(a6,2(2x,a3),2x,i1,2x,f5.1,2i3)

1-6	struc_name_sim_wca(is,isa)	a6	character id of structure (max 6 characters)
7-11	icode_s(is,isa)	2x,a3	type of code used to simulate structure (GEN - general code common to simulated structures, SPC - code is unique to structure)
12-16	sim_opt(is,isa)	2x,a3	option in operation of structure (ENV - rain-driven operations, REG - calendar based operational schedule)
17-19	iopt_for_reg_releases(is,isa)	2x,i1	option to send regulatory releases (REG option above) OR excess water for rain-driven operations (ENV option above)
20-26	rmulti_seas_thres_struc(is,isa)	2x,f5.1	threshold (million acre-ft) of multi-seasonal outlook for regulatory releases (used for REG option only)
27-29	iwca_reg_zone(is,isa)	i3	zone index for lowest zone allowed for regulatory releases
30-32	iopt_for_lokreg_flwth(is,isa)	i3	option to route regulatory releases from LOK through WCA to LEC when WCA is below schedule (1=yes, 0-not active)

NOTE: This record is read in only if general code is used to simulate operations of specific outflow structure, i.e., icode_s(is,isa) = GEN

23. NAME OF COMPONENTS OF STRUCTURE FLOW TO BE OUTPUT IN STR2X2.DSS FILE, OFFSET TO
REGULATION SCHEDULE WHEN GATES OPEN FULL FOR REGULATORY RELEASES, AND CELL LOCATIONS
IMMEDIATELY UPSTREAM AND DOWNSTREAM OF STRUCTURE
FORMAT(3(a6,2x),f6.1,4i5)

1-8	sname_env_dss(is,isa)	a6,2x	name of component of structure flow for environmental releases to be output in str2x2.dss file
9-16	sname_reg_dss(is,isa)	a6,2x	name of component of structure flow for regulatory releases to be output in str2x2.dss file
17-24	sname_ws_dss(is,isa)	a6,2x	name of component of structure

25-30	offset_reg(is,isa)	f6.1	flow for water supply releases to be output in str2x2.dss file offset to regulation schedule when gates open fully for regulatory releases (non rain-driven operations only)
31-35	icolposup_wcaot(is,isa)	i5	column number immediately upstream of structure
36-40	irowposup_wcaot(is,isa)	i5	row number immediately upstream of structure
40-44	icolposdn_wcaot(is,isa)	i5	column number immediately downstream of structure
44-48	irowposdn_wcaot(is,isa)	i5	row number immediately downstream of structure

24. OPTION FOR HEADWATER

-	ihwopt(is,isa)	free	option for headwater (0 - headwater is a canal, otherwise is a grid cell)
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NOTE: This record is read in only if the headwater of the structure is a canal,
i.e., ihwopt(is,isa) = 0

25. UPSTREAM CANAL NAME FORMAT(a5)

1-5	iup_canal_name(is)	a5	upstream canal name (max 5 characters) if option for headwater is 0
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NOTE: This record is read in only if the headwater of the structure is a grid cell,
i.e., ihwopt(is,isa)

26. UPSTREAM CELL LOCATION

-	ixhw(is,isa)	free	column number of cell
-	iyhw(is,isa)	free	row number of cell

27. OPTION FOR TAILWATER

-	itwopt(is,isa)	free	option for tailwater (0 - tailwater is a canal, otherwise is a grid cell)
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NOTE: This record is read in only if the headwater of the structure is a canal,
i.e., itwopt(is,isa) = 0

28. UPSTREAM CANAL NAME

FORMAT(a5) (1 record total)

-	idn_canal_name(is)	a5	downstream canal name (max 5 characters) if option for tailwater is 0
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NOTE: This record is read in only if the headwater of the structure is a grid cell, i.e., itwopt(is,isa) /= 0

29. UPSTREAM CELL LOCATION

1-5	ixtw(is,isa)	i5	column number of cell
6-10	iytw(is,isa)	i5	row number of cell

30. LECSA SERVED BY STRUCTURE

-	iserv_area_indx(is,isa)	free	LECSA served by structure (1-SA1, 2-SA2, 3-SA3)
-	ieaa_conduit_name	free	name of EAA conduit used to bring runoff/LOK water directly or indirectly to structure (max 5 characters)

31. DISCHARGE COEFFICIENT AND EXPONENT USED IN DISCHARGE EQUATION

-	dcoeff(is,isa)	free	discharge coefficient (-901 input if data not needed)
-	power(is,isa)	free	exponent used in discharge equation

32. OPTION FOR TRIGGER TO CONSTRAIN DISCHARGES THROUGH STRUCTURES

-	iopt_for_tw_constraint(is,isa)	free	option for trigger to constrain discharges through structures (1 - cell trigger discharges through structure, otherwise, canal trigger discharges through structure)
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NOTE: This record is read in only if a cell trigger discharges through structures, i.e., iopt_for_tw_constraint(is,isa)=1

33. TRIGGER CELL LOCATION AND MAXIMUM ALLOWABLE STAGE FOR OUTFLOW

-	n_cells_c(is,isa)	free	number of trigger cells
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NOTE: The following two fields are repeated for each grid cell #kk,

i.e., kk=1,n_cells_c(is,isa)

-	icol_constrnt(kk)	free	column number for trigger cell #kk if option in previous record is 1
-	irow_constrnt(kk)	free	row number for trigger cell #kk if option in previous record is 1
-	dnstrm_wca_name	free	name of downstream WCA which will be used as tailwater constraint for outflow through structure if option in previous record is 1

NOTE: This record is read in only if a canal trigger discharges through structures,
i.e., iopt_for_tw_constraint(is,isa)/= 1 and the structure is S355,
i.e., struc_name_sim_wca(is,isa) = S355

34. TRIGGER CANAL STAGE (ASSUMED TO BE THE TAILWATER) AND MAXIMUM DOWNSTREAM STAGE
ALLOWED FOR OUTFLOW

-	no_of_ds_stg_lmits	free	number of downstream triggers for limiting outflow
-	rmxstge(is,isa,ij)	free	maximum downstream stage (ft NGVD) allowed for outflow (999 means no maximum stage is used) defined for trigger #ij (ij=1,no_of_ds_stg_lmits)

NOTE: This record is read in only if a canal trigger discharges through structures,
i.e., iopt_for_tw_constraint(is,isa)/=1 and the structure is not S355,
i.e., struc_name_sim_wca(is,isa)/=S355

35. TRIGGER CANAL STAGE (ASSUMED TO BE THE TAILWATER) AND MAXIMUM ALLOWABLE DOWNSTREAM
STAGE FOR OUTFLOW

-	rmxstge(is,isa,1)	free	maximum downstream stage(ft NGVD) allowed for outflow (999 means no maximum stage is used)
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36. DESIGN CAPACITY (CFS) OF STRUCTURE
FORMAT(1x,2f6.0,i4)

1-7	desgncp(is,isa)	1x,f6.0	design capacity (cfs) of structure
8-13	capfact(is,isa)	f6.0	multiplier for the structure capacity (1.0 - use present capacity , > 1.0 - if proposed capacity is greater than present capacity, < 1.0 - if proposed capacity is less than present

14-17	iopt_lim_des_cap_wca(is,isa)	i4	capacity) option to limit outflow to design capacity (1=yes,0=no)

37. BREAKPOINTS IN STAGE USED IN SIMULATED OPERATION OF STRUCTURE			

-	nbpt(is,isa)	free	number of breakpoints in stage used in simulated operation of structure
-	stgbpt_s(is,isa,ibpt)	free	stage for breakpoint #ibpt in ft NGVD (ibpt=1,nbpt(is,isa))

38. NAMES OF CANALS IMMEDIATELY DOWNSTREAM RECEIVING WATER SUPPLY DISCHARGES FROM STRUCTURE-FORMAT(i5,5(2x,a5))			

1-5	no_dsws_canal(is,isa)	i5	number of canals immediately downstream receiving water supply discharges from structure
6-12	dsws_canal_name(i)	2x,a5	names of the canal #i (i=1,no_dsws_canal(is,isa)) (maximum of 5 characters)

39. NAME OF RESERVOIR THAT COULD LIMIT DISCHARGE FROM STRUCTURE FORMAT(4x,a6)			

1-10	down_res_name	4x,a6	name of reservoir (maximum of 6 characters) that could limit discharge from structure (NORES means no reservoir is used for appropriate structure)

40. NAME OF UPSTREAM TARGET AREA FOR ENVIRONMENTAL (RAIN DRIVEN) OPERATIONS FORMAT(4x,a5) (1 record total)			

1-9	up_targ_name	4x,a5	name of upstream target area (Maximum of 5 characters) for environmental (rain driven) operations (NOTRG means no stage target is used)

41. NAME OF ENVIRONMENTAL (PRESENTLY NSM) TARGET AREAS MET BY STRUCTURE FORMAT(i5,2x,5(a5,2x))			

1-5	no_of_targets(is,isa)	i5	number of environmental (presently NSM) target areas met by structure
6-12	itarg_name(i)	2x,a5	character ids of the target area #i (i=1, no_of_targets(is,isa))

(maximum of 5 characters)

42. NAME OF UPSTREAM CONVEYANCE CANAL IN WCA DELIVERING WATER THROUGH STRUCTURE
FORMAT(a5)

1-5	iconv_canal_up_name	a5	name of upstream conveyance canal in WCA delivering water through structure (maximum of 5 characters)
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43. ADDITIONAL CANALS TRIGGERING OPERATIONS OF STRUCTURE
FORMAT(i5,10(2x,a5)) (1 record total)

1-5	n_add_can_dep_s(is,isa)	i5	number of additional canals triggering operations of structure
6-12	add_can_dep_id(i)	2x,a5	names of the additional canal #i (i=1, n_add_can_dep_s(is,isa))

44. ADDITIONAL GRID LOCATIONS USED TO DETERMINING DISCHARGE

-	n_add_grid_loc_s(is,isa)	free	number of additional grid locations used in determining discharge
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NOTE: The following set of two fields are repeated for each additional grid #i,
i.e., i=1, n_add_can_dep_s(is,isa)

-	icol_add(i)	free	column number of cell #i
-	irow_add(i)	free	row number of cell #i

45. ADDITIONAL NAMES OF STRUCTURE FLOWS DIRECTLY USED IN DETERMINING DISCHARGE
FORMAT(i5,10(2x,a6)) (1 record total)

1-5	n_add_str_dep_s(is,isa)	i5	number of additional structure flows directly used in determining discharge
6-12	add_str_dep_id(i)	2x,a6	names of the structure #i (maximum of 6 characters) (i=1, n_add_str_dep_s(is,isa))

END OF STRUCTURE INFORMATION FOR WCAS

ADDITIONAL MISCELLANEOUS INFORMATION

46. FRACTION OF NON REGULATORY COMPONENT OF FLOW TARGET TO ENP TO BE PASSED THROUGH
STRUCTURE

NOTE: The following set of two fields are repeated for dry and wet seasons,
i.e., i=1, 2

-	rfcfs355(i)	free	fraction of NON regulatory component of flow target to ENP to be passed through S-333/S-355
-	rfcfs12(i)	free	fraction of NON regulatory component of flow target to ENP to be passed through S-12s

47. FRACTION OF REGULATORY COMPONENT OF FLOW TARGET TO ENP TO BE PASSED THROUGH STRUCTURE

NOTE: The following set of two fields are repeated for dry and wet seasons,
i.e., i=1, 2

-	rfcfs355_reg(i)	free	fraction of Regulatory component of flow target to ENP to be passed through S-333/S-355
-	rfcfs12_reg(i)	free	fraction of Regulatory component of flow target to ENP to be passed through S-12s

48. MAXIMUM FRACTION OF NON REGULATORY COMPONENT OF TARGET FLOW ALLOWED THROUGH S12S FOR
ZONES B,C,D,E OF WCA3A SCHEDULE FOR DRY AND WET SEASONS

NOTE: The following field is repeated for zones B,C,D,E of WCA3A schedule, respectively,
for dry season, i.e., i=1,4

-	total_frac_s12(i,1)	free	maximum fraction of NON-regulatory component of target flow allowed through S12s
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NOTE: The following field is repeated for Zones B,C,D,E of WCA3A schedule, respectively,
for wet season, i.e., i=1,4

-	total_frac_s12(i,2)	free	maximum fraction of NON-regulatory component of target flow allowed through S12s
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49. MAXIMUM FRACTION OF REGULATORY COMPONENT OF TARGET FLOW ALLOWED THROUGH S12S FOR
ZONES B,C,D,E OF WCA3A SCHEDULE FOR DRY AND WET SEASONS

NOTE: The following field is repeated for zones B,C,D,E of WCA3A schedule, respectively,
for dry seasons, i.e., i=1,4

-	total_frac_s12_reg(i,1)	free	maximum fraction of Regulatory component of target flow allowed through S12s
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NOTE: The following field is repeated for Zones B,C,D,E of WCA3A schedule, respectively,
for wet seasons, i.e., i=1,4

-	total_frac_s12_reg(i,2)	free	maximum fraction of Regulatory component of target flow allowed through S12s
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NOTE: Record 50 is repeated for each month January through December i.e., month =1, 12

50. FRACTION OF FLOW TARGET TO BE MET BY S12A,S12B,S12C,S12D FOR LOW and HIGH FLOW
CONDITIONS-FORMAT(5x,15f6.0)

1-5	blank	5x
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NOTE: The following field is repeated for S12A,S12B,S12C,S12D, respectively, i.e., j=1,4

6-11	ftargs12(1,j,month)	f6.0	fraction of flow target to be met by structure for low flow conditions (< 250cfs)
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NOTE: The following field is repeated for S12A,S12B,S12C,S12D, respectively, i.e., j=1,4

36-41	ftargs12(2,j,month)	f6.0	fractions of flow target by structure (> 250cfs)
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NOTE: The following field is repeated for S12A,S12B,S12C,S12D, respectively, i.e., j=1,4

66-51	ftargs12(3,j,month)	f6.0	fractions of flow target by structure for high flow conditions (flood control mode)
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51. COEFFICIENT FOR REGULATORY PORTION OF FLOW TARGET DICTATED BY EXPERIMENTAL RAINFALL
PLAN FOR EACH MONTH-FORMAT(15f6.0) (1 record total)

NOTE: The following field is repeated for each month January through
December, i.e., i=1,12

1-6	rfregcf(i)	f6.0	coefficient for regulatory portion of flow target dictated by experimental rainfall plan
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NOTE: Record 52 is repeated for S12A,S12B,S12C,S12D, i.e., i=1,4

52. MINIMUM STAGE (FT NGVD) ALLOWED FOR UNCONDITIONAL EMERGENCY OUTFLOW THROUGH S12A,
S12B, S12C,S12D FOR EACH MONTH-FORMAT(15f6.0)

NOTE: The following field is repeated for each month January
through December i.e., j=1,12

1-6	rmin_stg_for_outf_s12(i,j)	f6.0	minimum stage (ft NGVD) allowed for unconditional emergency outflow through specific S12 structure
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53. FRACTION OF CAPACITY ALLOWED FOR OUTFLOW FROM S343AB AND S344 FOR EACH MONTH

NOTE: The following field is repeated for each month January through
December i.e., i=1,12

-	frac_capac_s343ab(i)	free	fraction of capacity allowed for outflow from S343AB and S344
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NOTE: Record 54 is repeated for each trigger cell, i.e., i=1,5

54. MAXIMUM ALLOWABLE STAGE AT LOCATION FOR OUTFLOW THROUGH S343AB AND S344 FOR EACH
MONTH

-	no_cells_trig_s12s343(i)	free	id of cell or number of cell
-	icol_s12s343	free	column number of cell
-	irow_s12s343	free	row number of cell
-	rmax_stg_s12s343(i,j)	free	maximum allowable stage at location for outflow through S-343AB and S344 for each month January through December (j=1,12)

END OF DESCRIPTION FOR INPUT FILE "wca_out_struc_specs.man"
